

GenCore version 5.1.4\_p5-4578  
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 00:05:17 : Search time 44.0155 Seconds  
(without alignments)  
236.894 Million cell updates/sec

Title: US-09-913-524-32

Sequence score: 34  
1 aggcctccggaggaacccggtccctccccaact 34

Scoring table:

IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08  
Maximum Match 1008

Listing first 45 summaries

Database : Issued Patents, NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS.COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	34	100.0	1237	1	US-08-197-792-40 Sequence 40, Appl
2	34	100.0	1237	1	US-08-459-850-40 Sequence 40, Appl
3	34	100.0	1237	1	US-08-459-214-40 Sequence 40, Appl
4	24.4	71.8	1343	1	US-08-197-792-30 Sequence 30, Appl
5	24.4	71.8	1343	1	US-08-459-850-30 Sequence 30, Appl
6	24.4	71.8	1343	1	US-08-459-214-30 Sequence 30, Appl
7	20.2	59.4	1812	4	US-09-008-097-3 Sequence 3, Appl1
8	20.2	59.4	3549	4	US-09-008-097-5 Sequence 5, Appl1
9	20.2	59.4	4046	1	US-07-793-961A-1 Sequence 1, Appl1
10	20.2	59.4	4046	1	US-08-240-357-1 Sequence 1, Appl1
11	20.2	59.4	4131	3	US-08-726-214-11 Sequence 11, Appl
12	20.2	59.4	4942	4	US-09-474-076-1 Sequence 1, Appl1
13	19	55.9	1500	1	US-08-704-398-1 Sequence 1, Appl1
14	19	55.9	1500	5	PCT-US95-05966-1 Sequence 1, Appl1
15	18.8	55.3	1376	4	US-09-443-184-44 Sequence 44, Appl
16	18.8	54.7	516	5	PCT-US95-02795A-3 Sequence 3, Appl1
17	18.6	54.7	521	1	US-08-481-638-1 Sequence 1, Appl1
18	18.6	54.7	521	1	US-08-480-493A-1 Sequence 1, Appl1
19	18.6	54.7	521	1	US-08-482-638A-1 Sequence 1, Appl1
20	18.6	54.7	531	5	PCT-US95-02795A-1 Sequence 1, Appl1
21	18.6	54.7	4473	3	US-08-894-173-1 Sequence 1, Appl1
22	18.6	54.7	4473	4	US-09-398-193-1 Sequence 1, Appl1
23	18.6	54.7	45346	4	US-09-146-053-6 Sequence 6, Appl1
24	18.4	54.1	176	4	US-09-397-787-331 Sequence 331, App
25	18.4	54.1	613	2	US-08-658-639-11 Sequence 11, Appl
26	18.4	54.1	613	4	US-08-944-604-11 Sequence 11, Appl
27	18.4	54.1	903	4	US-08-944-604-15 Sequence 15, Appl

28	18.4	54.1	1607	4	US-09-853-768-13 Sequence 13, Appl
29	18.4	54.1	5852	4	US-09-853-768-10 Sequence 10, Appl
30	18.4	54.1	7037	4	US-09-853-768-3 Sequence 3, Appl
31	18.2	53.5	57	1	US-07-609-716-51 Sequence 51, Appl
32	18.2	53.5	57	1	US-07-609-716-52 Sequence 52, Appl
33	18.2	53.5	57	1	US-08-642-255-20 Sequence 20, Appl
34	18.2	53.5	57	3	US-08-473-411A-51 Sequence 51, Appl
35	18.2	53.5	57	3	US-08-473-411A-52 Sequence 52, Appl
36	18.2	53.5	57	4	US-08-478-029A-51 Sequence 51, Appl
37	18.2	53.5	57	4	US-08-478-029A-52 Sequence 52, Appl
38	18.2	53.5	123	1	US-07-609-716-58 Sequence 58, Appl
39	18.2	53.5	123	1	US-08-642-255-26 Sequence 26, Appl
40	18.2	53.5	123	3	US-08-473-411A-58 Sequence 58, Appl
41	18.2	53.5	123	4	US-08-478-029A-58 Sequence 58, Appl
42	18.2	53.5	186	1	US-07-609-716-62 Sequence 62, Appl
43	18.2	53.5	186	1	US-08-642-255-30 Sequence 30, Appl
44	18.2	53.5	186	3	US-08-475-411A-62 Sequence 62, Appl
45	18.2	53.5	186	4	US-08-478-029A-62 Sequence 62, Appl

#### ALIGNMENTS

RESULT 1  
: Sequence 40, Application US/08197792  
: Patent No. 5525488  
: GENERAL INFORMATION:  
: APPLICANT: Anthony J. Mason  
: APPLICANT: Peter H. Seeburg  
: TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Insulin  
: NUMBER OF SEQUENCES: 44  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: Genentech, Inc.  
: STREET: 460 Point San Bruno Blvd  
: CITY: South San Francisco  
: STATE: California  
: COUNTRY: USA  
: ZIP: 94080  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: patin (Genentech)  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08197,792  
: FILING DATE: 16-FEB-1994  
: CLASSIFICATION: 435  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER: 07/958414  
: FILING DATE: 08-OCT-1992  
: APPLICATION NUMBER: 07/744207  
: FILING DATE: 12-AUG-1991  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER: 07/215466  
: FILING DATE: 05-JUL-1988  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER: 06/506729  
: FILING DATE: 31-DEC-1986  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER: 06/827710  
: FILING DATE: 07-FEB-1986  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER: 06/783910  
: FILING DATE: 03-OCT-1985  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Hasak, Janet E.  
: REGISTRATION NUMBER: 28,616  
: REFERENCE/DOCKET NUMBER: 297P2D4  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: 415/225-1896  
: TELEFAX: 415/952-9881

TELEX: 910/371-7168  
? INFORMATION FOR SEQ ID NO: 40:  
? SEQUENCE CHARACTERISTICS:  
? LENGTH: 1237 bases  
? TYPE: nucleic acid  
? STRANDEDNESS: single  
? TOPOLOGY: linear  
US-08-197-792-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00042;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 34  
|||||  
Db 708 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 741

## RESULT 2

US-08-459-850-40  
? Sequence 40, Application US/08459850  
? Patent No. 5665568

## GENERAL INFORMATION:

APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
PRIOR APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 2972D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
? INFORMATION FOR SEQ ID NO: 40:  
? SEQUENCE CHARACTERISTICS:  
? LENGTH: 1237 bases  
? TYPE: nucleic acid  
? STRANDEDNESS: single  
? TOPOLOGY: linear  
US-08-459-850-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00042;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 34  
|||||  
Db 708 AGGCTCCGAGGAGACCGGCTGCCATGCCACT 741

## RESULT 3

US-08-459-214-40  
? Sequence 40, Application US/08459214  
? Patent No. 5716810

## GENERAL INFORMATION:

APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/98/459,214  
FILING DATE: 02-JUN-1995

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
PRIOR APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 2972D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

```

:       TELEEX: 910/371-7168
:       INFORMATION FOR SEQ ID NO: 40:
:       SEQUENCE CHARACTERISTICS:
:       LENGTH: 1237 bases
:       TYPE: nucleic acid
:       STRANDEDNESS: single
:       TOPOLOGY: Linear
:
US-08-459-214-40
:
Query Match               100.0%; Score 34; DB 1; Length 1237;
Best local Similarity    100.0%; Pred. No. 0.00042;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGAACCGGTCGCGCACT 34
Db      708 AGGCTCCGAGAACCGGTCGCGCACT 741

RESULT 4
US-08-197-792-30
: Sequence 30, Application US/08197792
: Patent No. 5525488
: GENERAL INFORMATION:
: APPLICANT: Anthony J. Mason
: APPLICANT: Peter H. Seeburg
: TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 460 Point San Bruno Blvd
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: 05/08/197,792
: FILING DATE: 16-FEB-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/958414
: FILING DATE: 08-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/744207
: FILING DATE: 12-AUG-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/215466
: FILING DATE: 05-JUL-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/906729
: FILING DATE: 31-DEC-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/827710
: FILING DATE: 07-FEB-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/783910
: FILING DATE: 03-OCT-1985
: ATTORNEY/AGENT INFORMATION:
: NAME: Hasak, Janet E.
: REGISTRATION NUMBER: 28,616
: REFERENCE/DOCKET NUMBER: 297P2D4
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415/225-1896
: TELEFAX: 415/952-9881
: TELEEX: 910/371-7168
: INFORMATION FOR SEQ ID NO: 30:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1343 bases
: TYPE: nucleic acid
```

```

:       STRANDEDNESS: single
:       TOPOLOGY: Linear
:
US-08-197-792-30
:
Query Match               71.8%; Score 24.4; DB 1; Length 1343;
Best local Similarity    82.4%; Pred. No. 1.2;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGAACCGGTCGCGCACT 44
Db      816 AGGCTCCGAGAACCGGTCGCGCACT 849

RESULT 5
US-08-459-850-30
: Sequence 30, Application US/08459850
: Patent No. 5665568
: GENERAL INFORMATION:
: APPLICANT: Anthony J. Mason
: APPLICANT: Peter H. Seeburg
: TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
: TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypep
: NUMBER OF SEQUENCES: 44
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 460 Point San Bruno Blvd
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: 05/08/459,850
: FILING DATE: 02-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/197792
: FILING DATE: 17-FEB-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/958414
: FILING DATE: 08-OCT-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/744207
: FILING DATE: 12-AUG-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/215466
: FILING DATE: 05-JUL-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/906729
: FILING DATE: 31-DEC-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/827710
: FILING DATE: 07-FEB-1986
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 06/783910
: FILING DATE: 03-OCT-1985
: ATTORNEY/AGENT INFORMATION:
: NAME: Hasak, Janet E.
: REGISTRATION NUMBER: 28,616
: REFERENCE/DOCKET NUMBER: 297P2D5
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415/225-1896
: TELEFAX: 415/952-9881
: TELEEX: 910/371-7168
: INFORMATION FOR SEQ ID NO: 30:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1343 bases
: TYPE: nucleic acid
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```

; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-459-850-30

Query Match
Best Local Similarity 82.4%; Pred. No. 1.2; Length 1343;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAGACCGGCTGCCATGCCACT 34
DB 816 AGGCCCCGGAGAGACCCGCTGTGACGCCGACT 849

RESULT 6
US-08-459-214-30
; Sequence 30, Application US/08459214
; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1343 bases
; TYPE: nucleic acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-459-214-30

Query Match
Best Local Similarity 82.4%; Pred. No. 1.2; Length 1343;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAGACCGGCTGCCATGCCACT 34
DB 816 AGGCCCCGGAGAGACCCGCTGTGACGCCGACT 849

RESULT 7
US-09-008-097-3
; Sequence 3, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Meihua
; TITLE OF INVENTION: GENE THERAPY FOR COMBESITIVE
; TITLE OF INVENTION: HEART FAILURE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FORRESTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dylan, Tyler M
; REGISTRATION NUMBER: 37,612
; REFERENCE/DOCKET NUMBER: 22000-20567.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-494-0792
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1812 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..1812
; OTHER INFORMATION:
US-09-008-097-3

Query Match
Best Local Similarity 75.8%; Pred. No. 41; Length 1812;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAGACCGCTGCCATGCCACT 34
DB 668 GAGTCCGAGAGAGCCGCGGCGACATGCCACT 700
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RESULT 8
US-09-008-097-5
: Sequence 5, Application US/09008097
: Patent No. 6306830
: GENERAL INFORMATION:
: APPLICANT: Hammond, H. Kirk
: APPLICANT: Insel, Paul A.
: APPLICANT: Ping, Peipei
: APPLICANT: Post, Steven R.
: APPLICANT: Gao, Meihua
: TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
: TITLE OF INVENTION: HEART FAILURE
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 755 PAGE MILL ROAD
: CITY: PALO ALTO
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/008,097
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Dylan, Tyler M
: REGISTRATION NUMBER: 37,612
: REFERENCE/DOCKET NUMBER: 22000-20567.21
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-813-5600
: TELEFAX: 650-494-0792
: TELEX: 706141
: INFORMATION FOR SEQ. ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3549 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: Coding Sequence
: LOCATION: 1...3501
: OTHER INFORMATION:
: US-09-008-097-5

Query Match          59.4%; Score 20.2; DB 4; Length 3549;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      2  GGCTCGGAGAGACGGCTGCCCATGCCACT 34
Db      1301 GGCTCGGAGAGACGGCTGCCCATGCCACT 1333

RESULT 9
US-07-793-961A-1
: Sequence 1, Application US/07793961A
: Patent No. 5334521
: GENERAL INFORMATION:
: APPLICANT: Yoshihiro Ishikawa
: TITLE OF INVENTION: Cloning and Character-
: TITLE OF INVENTION: Iization of a Cardiac Adenyllyl Cyclase
: NUMBER OF SEQUENCES: 1
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Alan M. Gordon

```

```

: ADDRESSEE: American Cyanamid Company
: STREET: 1937 West Main Street,
: STREET: P.O. Box 60
: CITY: Stamford
: STATE: Connecticut
: COUNTRY: USA
: ZIP: 06904
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy Disk
: COMPUTER: IBM PC AT
: OPERATING SYSTEM: MS-DOS
: SOFTWARE: ASCII from IBM
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/793,961A
: FILING DATE: 19911118
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Gordon, Alan M.
: REGISTRATION NUMBER: 30,637
: REFERENCE/DOCKET NUMBER: 31,705
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 203 321 2719
: TELEFAX: 203 321 2971
: TELEX:
: INFORMATION FOR SEQ. ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4046 base pairs listed
: TYPE: NUCLEIC ACID
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-07-793-961A-1

Query Match          59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      2  GGCTCGGAGAGACGGCTGCCCATGCCACT 34
Db      1428 GGCTCGGAGAGACGGCTGCCCATGCCACT 1460

RESULT 10
US-08-240-357-1
: Sequence 1, Application US/08240357
: Patent No. 5578481
: GENERAL INFORMATION:
: APPLICANT: Ishikawa, Yoshihiro
: TITLE OF INVENTION: Cloning and Characterization of a
: TITLE OF INVENTION: Cardiac Adenyllyl Cyclase
: NUMBER OF SEQUENCES: 2
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: American Cyanamid Company
: STREET: One Cyanamid Plaza
: CITY: Wayne
: STATE: New Jersey
: COUNTRY: USA
: ZIP: 07470-8426
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/240,357
: FILING DATE: 10-MAY-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Gordon, Alan M.
: REGISTRATION NUMBER: 30,637

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: REFERENCE/DOCKET NUMBER: 31,705-01
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 201-831-3244
: TELEFAX: 201-831-3305
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4046 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 131..3625
: US-08-240-357-1

Query Match          59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      2  GGCTCGGAGGACCGGCTGCCATGCCACT 34
Db      1428 GGCTCGGAGGACCGGCGGACCATGCCACT 1460

RESULT 11
US-08-726-214-11
: Sequence 11, Application US/08726214
: Patent No. 6107076
: GENERAL INFORMATION:
: APPLICANT: Tang, Wei-Jen
: APPLICANT: Gilman, Alfred G.
: TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE
: TITLE OF INVENTION: AND USES THEREFOR
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White & Dufree
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: Texas
: COUNTRY: United States of America
: ZIP: 77210
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/726,214
: FILING DATE: Concurrently Herewith
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/005,498
: FILING DATE: 04-OCT-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Highlander, Steven L.
: REGISTRATION NUMBER: 37,642
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (512) 418-3000
: TELEFAX: (512) 474-7577
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4131 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-726-214-11

Query Match          59.4%; Score 20.2; DB 3; Length 4131;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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QY      2  GGCTCGGAGGACCGGCTGCCATGCCACT 34
Db      1353 GGCTCGGAGGACCGGCGGACCATGCCACT 1385

RESULT 12
US-09-474-076-1
: Sequence 1, Application US/09474076
: Patent No. 6465237
: GENERAL INFORMATION:
: APPLICANT: Tomlinson, James E.
: APPLICANT: COR Therapeutics, Inc.
: TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
: TITLE OF INVENTION: CYCLASE
: FILE REFERENCE: 44481-5028-01-US
: CURRENT APPLICATION NUMBER: US/09/474,076
: PRIOR FILING DATE: 1999-12-12
: PRIOR APPLICATION NUMBER: PCT/US98/13694
: PRIOR FILING DATE: 1998-07-01
: PRIOR APPLICATION NUMBER: 60/070,904
: PRIOR FILING DATE: 1997-07-01
: PRIOR APPLICATION NUMBER: 08/886,550
: PRIOR FILING DATE: 1997-07-01
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 1
: LENGTH: 4942
: TYPE: DNA
: ORGANISM: human type VI adenylyl cyclase
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (145)..(3648)
: US-09-474-076-1

Query Match          59.4%; Score 20.2; DB 4; Length 4942;
Best Local Similarity 75.8%; Pred. No. 42;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      2  GGCTCGGAGGACCGGCTGCCATGCCACT 34
Db      1448 GGCTCGGAGGACCGGCGGACCATGCCACT 1480

RESULT 13
US-08-704-398-1
: Sequence 1, Application US/08704398
: Patent No. 5679525
: GENERAL INFORMATION:
: APPLICANT: Peterson, Michael G
: APPLICANT: Henkel, Thomas
: TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
: TITLE OF INVENTION: BINDING ASSAY
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: FLEHR, HOHACH, TEST, ALBRITTON & HERBERT
: STREET: 4 Embarcadero Center, Suite 3400
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-4187
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/704,398
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/246,977
: FILING DATE: 20-MAY-1994
: ATTORNEY/AGENT INFORMATION:
```

NAME: Osman, Richard A  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: A-59233/RAO  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 781-1989  
 TELEFAX: (415) 398-3249  
 TELEX: 910 277299  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1500 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..1500  
 US-08-704-398-1

Query Match 55.9%; Score 19; DB 1; Length 1500;  
 Best Local Similarity 81.5%; Pred. No. 1;le+02;  
 Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCGTCGGAGAGACCGCTGCCCATGC 29  
 ||| ||||| ||||| ||||| |||||  
 Db 21 GCGCGGAGAGACCGCTGCCCATGC 47

## RESULT 14

PCT-US95-05966-1

Sequence 1, Application PC/TUS9505966  
 GENERAL INFORMATION:

APPLICANT: TULARIK, INC.

TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR

TITLE OF INVENTION: BINDING ASSAY

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/05966

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/246,977

FILING DATE: 20-MAY-1994

ATTORNEY/AGENT INFORMATION:

NAME: Osman, Richard A

REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: PP-59233-PC/RAO

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1500 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1500

PCT-US95-05966-1

Query Match 55.9%; Score 19; DB 5; Length 1500;  
 Best Local Similarity 81.5%; Pred. No. 1;le+02;  
 Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCGTCGGAGAGACCGCTGCCCATGC 29  
 ||| ||||| ||||| ||||| |||||  
 Db 21 GCGCGGAGAGACCGCTGCCCATGC 47

## RESULT 15

US-09-443-184-44

Sequence 44, Application US/09443184A

Patent No. 6372431

GENERAL INFORMATION:

APPLICANT: Cunningham, Mary Jane

APPLICANT: Zweiger, Gary

APPLICANT: Kaser, Matthew R.

APPLICANT: Panzer, Scott

APPLICANT: Seilhammer, Jeffrey J.

APPLICANT: Yue, Henry

APPLICANT: Baughn, Mariah

APPLICANT: Azimzai, Yalda

APPLICANT: Lal, Preeti

FILE REFERENCE: PC-0007 US

CURRENT APPLICATION NUMBER: US/09/443,184A

NUMBER OF SEQ ID NOS: 138

SOFTWARE: PERL Program

SEQ ID NO 44

LENGTH: 1376

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc\_feature

OTHER INFORMATION: Incyte ID NO. 6372431 1461451CB1

US-09-443-184-44

Query Match 55.3%; Score 18.8; DB 4; Length 1376;  
 Best Local Similarity 76.7%; Pred. No. 1;3e+02;  
 Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 5 CTCGCGAGAGACCGCTGCTGATGTCATC 44  
 ||| ||||| ||||| ||||| |||||  
 Db 929 CCGGAGAGAGACTGCGCGCTGCGAGACT 958

Search completed: March 11, 2003, 10:28:56  
 Job time : 47.0155 secs